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Trend Analysis of Water Yields in Northern Catchments

Determining catchment responses to climate signals gives insight into the potential effects of climate change. This talk describes methods used to study the water yield over time from four headwater catchments in the Turkey Lakes Watershed in northern Ontario. The relatively simple statistical ideas of regression are used to remove signals thereby yielding some of the more interesting and subtler features which are ecologically interesting. This first analysis is based on annual data. Daily data are needed to study shorter lag effects, in terms of days or weeks.